



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

**D2576-1**

**Job Sheet 172213**



**Part No:** D2576-1

**Job Qty:** 50 ea

**Part Name:** Step (Casting Detail)



**Part Weight:** 0 lbs

**Status:** Scheduled

**Priority:** Medium

**Job Created:** 2/14/18

**Job Tracking No:**

**Due Date:** 3/12/18

**Created By:** Chantal Lavoie

**Type:** Stock

**Description:**

**Note:** DWG REV G IPP Rev: A New Issue 05-11-29 JLM IPP rev B rev F dwg 07.07.06 EC IPP Rev:C As per Rev G  
07-09-05 JLM Verified By:EC

**Ship Via:**

### Bill of Materials

### Job Routing

| Op No | Operation  | Qty    | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | Sign-off       |
|-------|------------|--------|------------|----------|-----------|---------|-----------------------|-----------|----------------|
|       |            |        |            |          | Setup hrs | Run Hrs | Workcenter / Supplier | Lead Time |                |
| 100   | Purchasing | 50 pcs |            | 3/12/18  | 0.00      | 0.00    | Purchasing            |           | AT 18/03/13    |
| 110   | Packaging  | 50 pcs |            | 3/12/18  | 0.00      | 0.00    | Packaging2            |           | ADAS 15/13     |
| 120   | QC         | 50 pcs |            | 3/12/18  | 0.00      | 0.00    | QC6                   |           | 11 MAR 13 2018 |
| 130   | Packaging  | 50 pcs |            | 3/12/18  | 0.00      | 0.00    | Packaging3            |           | 9.89           |
| 140   | QC21-SA    | 50 Ea  |            | 3/12/18  | 0.00      | 0.00    | QC21                  |           | MAR 15 2018    |

Part Op 100 - Issue P/O: 039048 Cast per D2576-1 Pattern vendor: Alpine Non- Ferrous Material Release Note Required  
Descriptions: 110 - Ensure D2576 mould is returned with the ordered parts Ensure release note is attached  
130 - MAT060

FEB 15 2018

### Job BOM

| Part / Item | Component Name        | Quantity      | Operation      | Container |
|-------------|-----------------------|---------------|----------------|-----------|
| D2576-1P    | Step (Casting Detail) | 50 pcs (1 ea) | 100-Purchasing | 5050644   |

### Job Allocations

| Operation      | Component Part | Required | Inventory | Allocated |
|----------------|----------------|----------|-----------|-----------|
| 100-Purchasing | D2576-1P       | 50       | 0         | 0         |

### Part Specifications

Specifications could not be found.

Plex 2/14/18 7:37 AM dart.lavoie.chantal

Step (Casting Detail)

**Step (Casting Detail)**

**D2576-1**

**S050654**

**Revision:**

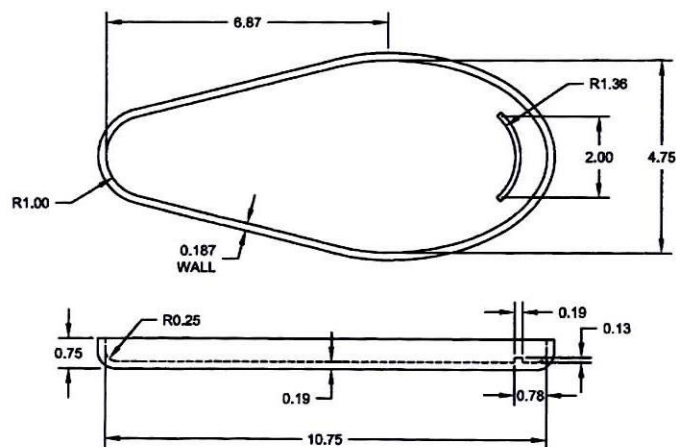
**Operation:**

**Change No:**

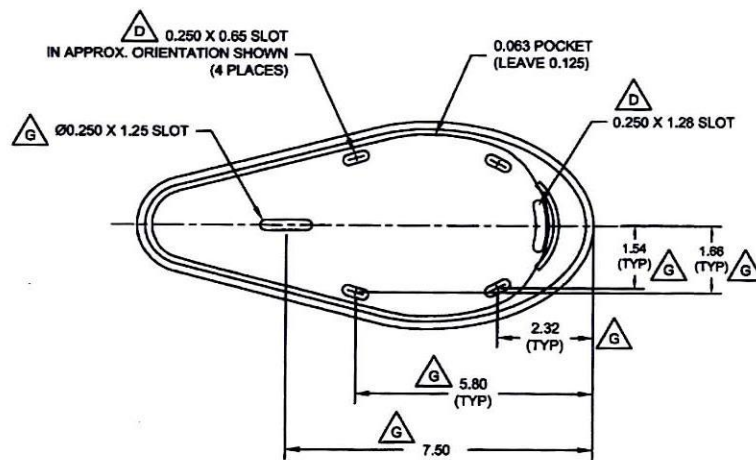
## Packaging

**Mfg Date:** 03/13/18

Job No: 172213



**D2576-1 CASTING**



**D2576-3 MACHINING DETAIL**  
(MAKE FROM D2576-1)

- NOTES:**
- 1) MATERIAL: CAST ALUMINUM ALLOY A-535.2
  - 2) FINISH: NONE
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.025 TO 0.050 MAX
  - 6) IDENTIFICATION: NONE

**RELEASED**

07.08.15

| G          | - CHANGE SLOTS LOCATION AND SIZE ON D2576-3<br>- DUE TO SKID BENDING PROGRAM CHANGES<br>- UPDATE CNC PROGRAM | MB | 07.08.15 |
|------------|--------------------------------------------------------------------------------------------------------------|----|----------|
| F          | 7.05 WAS 6.61                                                                                                | PH | 07.04.17 |
| E          | CHANGE 0.50 HOLE LOCATION AND ADD NOTE                                                                       | RF | 99.09.07 |
| D          | CHANGE SLOT SIZE AND LOCATION (TSR A1069)                                                                    | CP | 99.08.18 |
| C          | ADD POCKETS AND SLOTS FOR WELDING                                                                            | DS | 98.08.18 |
| B          | REMOVE POCKETS, ADD HOLE                                                                                     | DS | 96.11.28 |
| A          | NEW ISSUE                                                                                                    | DS | 96.09.18 |
| REV.       | DESCRIPTION                                                                                                  | BY | DATE     |
| DESIGN     |                                                                                                              |    |          |
| DRAWN      |                                                                                                              |    |          |
| CHECKED    |                                                                                                              |    |          |
| MFG. APPR. |                                                                                                              |    |          |
| APPROVED   |                                                                                                              |    |          |
| DE APPR.   |                                                                                                              |    |          |
| DATE       | 07.08.15                                                                                                     |    |          |

**DART AEROSPACE LTD**  
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. D2576  
REV. G  
SHEET 1 OF 1

TITLE STEP  
SCALE 1:3

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Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# PURCHASE ORDER PO039048

**Supplier:** ALN001-VC  
Alpine Non-Ferrous Foundry  
8657 - 132nd Street  
Surrey  
BC  
V3W 4P1 Canada  
Phone: 604 596 8080  
Fax: 604 596 8045

**PO No:** PO039048  
**PO Date:** 2/15/18  
**Due Date:** 3/5/18  
**Purchase Order  
Revision:**  
**Revision Date:**  
**Ship-To Contact:** Phone:

*conf*  
**E-MAILED**  
FEB 15 2018

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**Via:** Ground  
**Pymt Terms:** Net 30  
**Freight Terms:**  
**Special Comments:**

## Items

| Line Item | Part     | Supplier Part No | Description                                      | Status | Due Date | Order Quantity | Received Quantity   | Balance | Unit Price (CAD) | Extended Price |
|-----------|----------|------------------|--------------------------------------------------|--------|----------|----------------|---------------------|---------|------------------|----------------|
| 1         | D2576-1P |                  | Step (Casting Detail)<br>As Per dwg D2576 Rev. G | Firmed | 3/5/18   | 50 pcs         | 0 pcs<br><i>50x</i> | 50 pcs  | \$17.75/pcs      | \$887.50       |

Line Item Note job# 172213

**Grand Total:** \$887.50

## Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

### Procurement Quality Clauses

- A005 RIGHT OF ENTRY
- A007 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER)
- A012 CHEMICAL AND PHYSICAL TEST REPORTS
- A016 PERSONNEL QUALIFICATION
- A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)
- A026 CERTIFICATION OF MATERIAL CONFORMANCE
- A041 QUALITY MANAGEMENT SYSTEM
- A042 DART NOTIFICATION BY SUPPLIER
- A043 RETENTION OF QUALITY DOCUMENT
- A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM
- A049 SUPPLIER AWARENESS

*[Handwritten signature]*  
*AB*

Plex 2/15/18 12:45 PM dart.baker.diane

DAS  
11  
9-89

Trialco Inc.  
900 E. 14th Street  
Chicago Heights, Illinois  
60411-3002

## Certificate of Analysis

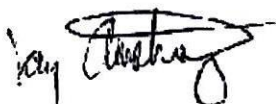
|       |       |        |      |
|-------|-------|--------|------|
| Alloy | 535.2 | Heat # | I1B8 |
|-------|-------|--------|------|

| Bundle #   | Weight |
|------------|--------|
| I1B8-015   | 1,937  |
| I1B8-016   | 1,934  |
| I1B8-017   | 1,910  |
| I1B8-018   | 1,879  |
| I1B8-019   | 1,831  |
| I1B8-020   | 1,928  |
| → I1B8-021 | 1,980  |
| I1B8-022   | 1,997  |
| I1B8-023   | 1,964  |
| I1B8-024   | 1,924  |

### Chemical Composition

| Si     | Fe     | Cr     | Mn   | Mg   | Co   | Ni   | Zn   | Ti   | Pb   | Su   | Sr |
|--------|--------|--------|------|------|------|------|------|------|------|------|----|
| 0.07   | 0.08   | 0.00   | 0.17 | 7.13 | 0.00 | 0.00 | 0.03 | 0.18 | 0.00 | 0.00 |    |
| Ca     | Na     | Be     | Bi   | B    | P    | Cd   | Co   | Sb   | V    | Zr   |    |
| 0.0003 | 0.0001 | 0.0039 |      | 0.00 |      |      |      |      |      |      |    |

We certify that the above analysis is the result obtained in our laboratory for the heat indicated.  
This shipment is free of radiation.



Jay Armstrong  
President  
Trialco Inc.